

### **LISTING OF THE CLAIMS**

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. **(Currently Amended)** A bandgap voltage reference circuit comprising:  
a first circuit providing a first voltage representative of ~~substantially proportional to~~  $V_{be}$  of a first bipolar transistor;  
a second circuit providing a second voltage  $\Delta V_{be}$  representative of ~~substantially proportional to~~ the difference of two  $V_{be}$  voltages of two additional bipolar transistors; and  
a comparator having respective inputs receiving voltages representative of ~~coupled to~~  $V_{be}$  and  $\Delta V_{be}$  and an output coupled to the base of the first bipolar transistor whereby a voltage representative of ~~substantially proportional to~~ the sum of respective constants multiplying  $V_{be}$  and  $\Delta V_{be}$  is provided at the output of the comparator.
2. **(Currently Amended)** A bandgap voltage reference circuit comprising:  
a first bipolar transistor providing substantially a reference voltage  $V_{be}$ ;  
a current mirror circuit comprising two bipolar transistors coupled in a current mirror arrangement for providing a voltage difference  $\Delta V_{be}$  comprising substantially a difference signal between the respective  $V_{be}$  voltages of the two bipolar transistors; and  
a comparator having respective inputs receiving voltages representative of ~~coupled to~~  $V_{be}$  and  $\Delta V_{be}$  and an output coupled to the base of the first bipolar transistor whereby a voltage representative of ~~substantially proportional to~~ the sum of respective constants multiplying  $V_{be}$  and  $\Delta V_{be}$  is provided at the output of the comparator.
3. **(Currently Amended)** A bandgap voltage reference circuit comprising:  
a first circuit providing a first voltage representative of ~~substantially proportional to~~  $V_{be}$  of a first bipolar transistor;  
a second circuit providing a second voltage  $\Delta V_{be}$  representative of ~~substantially proportional to~~ the difference of two  $V_{be}$  voltages of two additional bipolar transistors; and

a comparator having respective inputs receiving voltages representative of ~~coupled to~~  $V_{be}$  and  $\Delta V_{be}$  and an output coupled to the base of the first bipolar transistor whereby a substantially temperature independent voltage reference ~~reference~~ is provided at the output of the comparator.